

CLAIMS

What is claimed is:

- 5 *Sub 2* 1. A method for transmitting arbitrary font data to
an output device, said method comprising:
determining whether rendering information for
the font data to be transmitted is resident on the
output device; and
10 if the rendering information for the font data
to be transmitted is not resident on the output
device, transmitting to the output device rendering
information for the font data to be transmitted.
- 15 2. The method of Claim 1, wherein:
the output device comprises a printer.
- 20 3. The method of Claim 1, wherein:
the rendering information for the font data to
be transmitted comprises glyph information and
bitmap data associated with an image.
- 25 4. The method of claim 3, wherein:
the rendering information for the font data to
be transmitted further comprises position data
specifying a location for rendering the image.
- 30 5. The method of Claim 1, wherein:
the font data to be transmitted comprises a
character identifier associated with a character
image.
- 35 6. The method of Claim 4 wherein:
the character identifier comprises either a
single byte identifier including one data byte or a
multiple byte identifier including two or more data
bytes.

7. The method of Claim 3 wherein:

the character image comprises an ideographic character.

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8. A computer program product comprising computer program code for a method for transmitting arbitrary font data to an output device, said method comprising:

10 determining whether rendering information for the font data to be transmitted is resident on the output device; and

15 if the rendering information for the font data to be transmitted is not resident on the output device, transmitting to the output device rendering information for the font data to be transmitted.

9. The computer program product of Claim 8, wherein:

20 the output device comprises a printer.

10. The computer program product of Claim 8, wherein:

25 the rendering information for the font data to be transmitted comprises glyph information and bitmap data associated with an image.

11. The computer program product of Claim 10, wherein said method further comprises:

30 the rendering information for the font data to be transmitted further comprises position data specifying a location for rendering the image.

12. The computer program product of Claim 8, wherein:

35 the font data to be transmitted further comprises a character identifier associated with a character image.

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13. The computer program product of Claim 12,
wherein:

5 the character identifier comprises either a
single byte identifier including one data byte or a
multiple byte identifier including two or more data
bytes.

14. The computer program product of Claim 10,
10 wherein:

 the character image comprises an ideographic
character.

15. An apparatus comprising:

15 a processor; and
 a memory coupled to said processor, and storing
computer code implementing a method of transmitting
arbitrary font data to an output device wherein upon
execution of said method on said processor, said
20 method comprises:

 determining whether rendering information for
the font data to be transmitted is resident on the
output device; and

 if the rendering information for the font data
25 to be transmitted is not resident on the output
device, transmitting to the output device rendering
information for the font data to be transmitted,
wherein the rendering information comprises glyph
information and bitmap data associated with an
30 image.

16. The apparatus of Claim 15, wherein:

 the rendering information further comprises
position data specifying a location for rendering
35 the image.

17. The apparatus of Claim 15, wherein:

the output device comprises a printer.

5 18. The apparatus of Claim 15, wherein:
the font data to be transmitted further
comprises a character identifier associated with a
character image.

10 19. The apparatus of Claim 18, wherein:
the character identifier comprises either a
single byte identifier including one data byte or a
multiple byte identifier including two or more data
bytes.

15 20. The computer program product of Claim 10,
wherein:
the character image comprises an ideographic
character.

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